Quick Start Guide

Compact 24 LE (920014 s/n 100000 & up)

- Step 1: Assemble Handlebar
- Step 2: Install Discharge Chute
- Step 3: Install Discharge Chute Crank
- Step 4: Install Remote Deflector Cable
- Step 5: Check Function of Dual Handle Interlock
- Step 6: Check Tire Pressure
- Step 7: Adjust Skid Shoes
- Step 8: Check Auger Gearcase Oil
- Step 9: Check Engine Crankcase Oil
- Step 10: Fill Engine Fuel Tank
- Step 11: Starting the Engine
- Step 12: Stopping the Engine

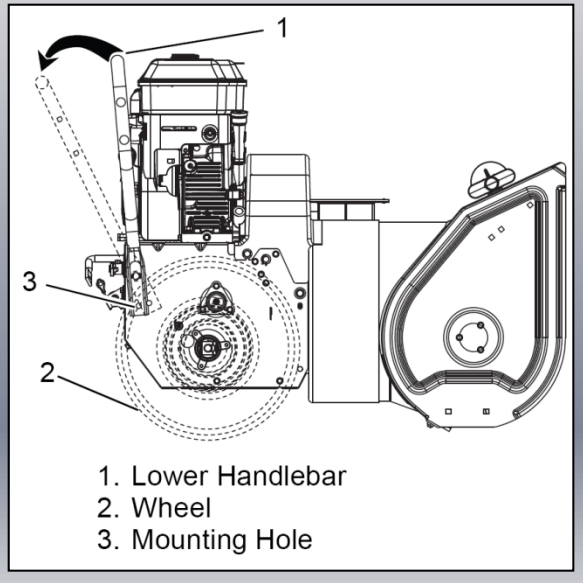
READ AND UNDERSTAND ALL INSTRUCTION, WARNING, AND DANGER LABELS.
IMPORTANT: READ OPERATOR'S MANUAL AND ENGINE MANUAL THOROUGHLY AND FOLLOW THE IMPORTANT SAFE OPERATION PRACTICES BEFORE OPERATING.

Step One: Assemble Handlebars

NOTE: The Ariens company has made changes to packaging that affects this serial number range.

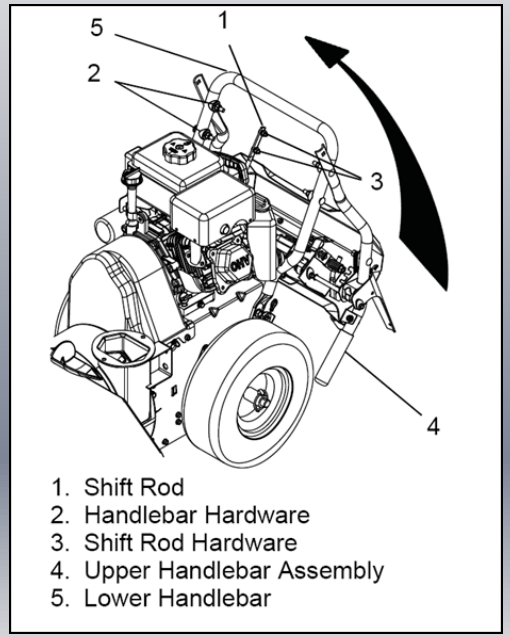
If the upper handlebars on your unit came already attached please disregard the following five slides.

Not attached



1. Lower Handlebar
2. Wheel
3. Mounting Hole

Attached



1. Shift Rod
2. Handlebar Hardware
3. Shift Rod Hardware
4. Upper Handlebar Assembly
5. Lower Handlebar

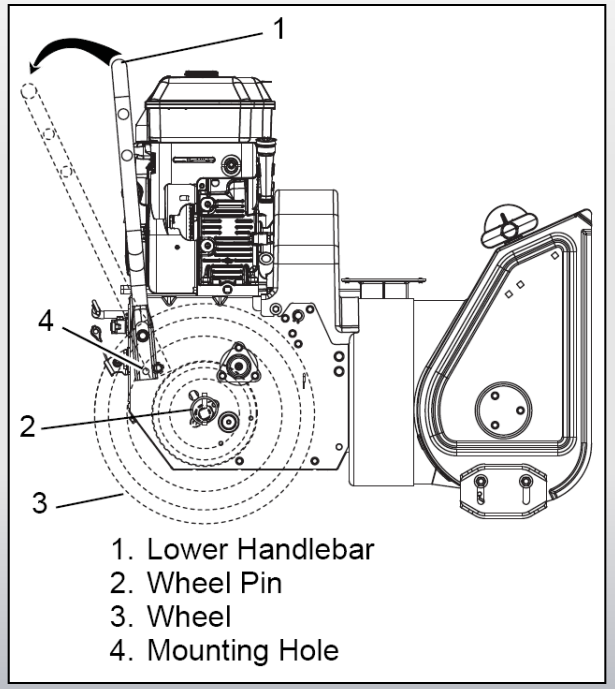
Step One: Assemble Handlebars (Unfold Lower Handlebar)

NOTE: This slide applies to UNATTACHED handlebars ONLY

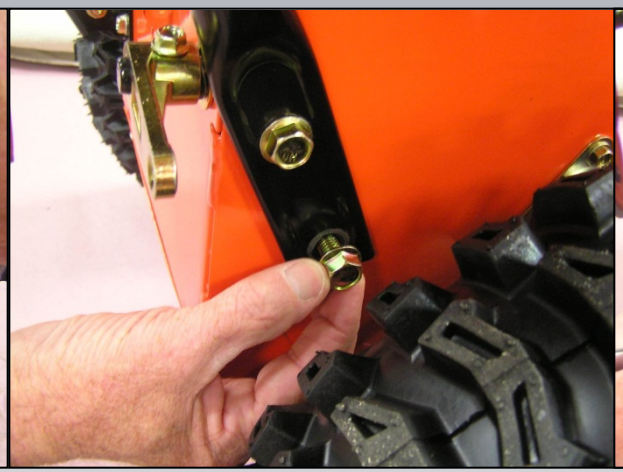
1. Remove wheel pins from each side of the unit and slide wheels away from frame. Do not remove wheels completely.

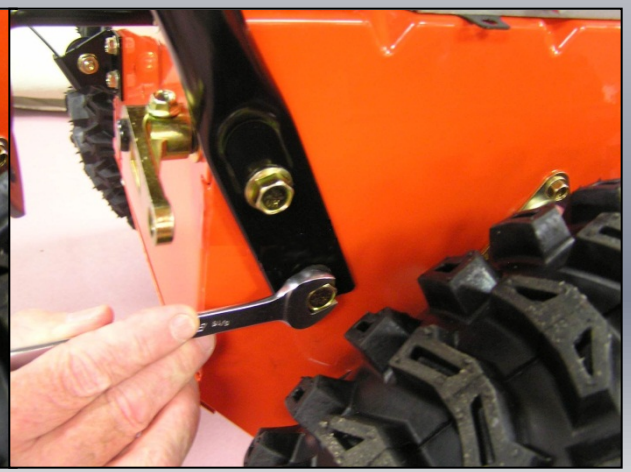
IMPORTANT: Be sure to block wheels or secure unit so it does not move during assembly.

2. Rotate lower handlebar out from unit so lower handlebar mounting holes align with mounting holes on the unit frame.
3. Secure lower handlebar to unit using two 3/8 in x 3/4 in. hex head serrated flange grade 5 bolts.
4. Tighten all four bolts to 25-42 lbf-ft (33,9-56,9 N·m)
5. Slide both wheels back into place and reinstall wheel pins.



1. Lower Handlebar
2. Wheel Pin
3. Wheel
4. Mounting Hole



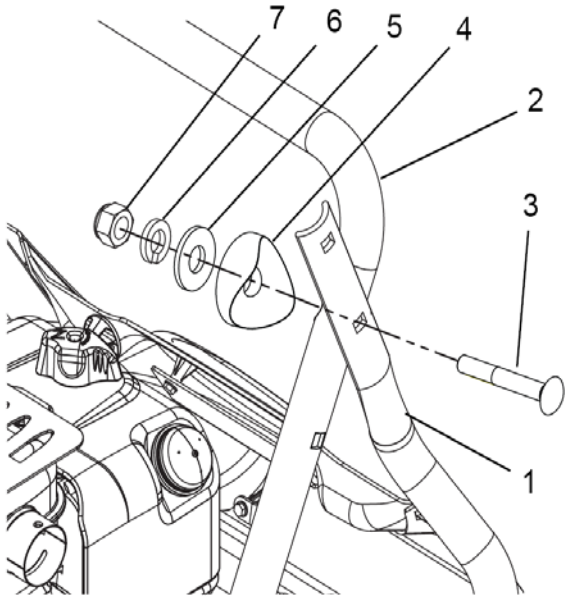


Step One: Assemble Handlebars (Attach Upper Handlebar Assembly)

NOTE: This slide applies to UNATTACHED handlebars ONLY

1. Attach upper handlebar assembly to lower handlebar using two sets of the handlebar hardware. One set to attach each side of the handlebars.

NOTE: DO NOT tighten hardware. Allow upper handlebar assembly to hang from the lower handlebars for the next step.



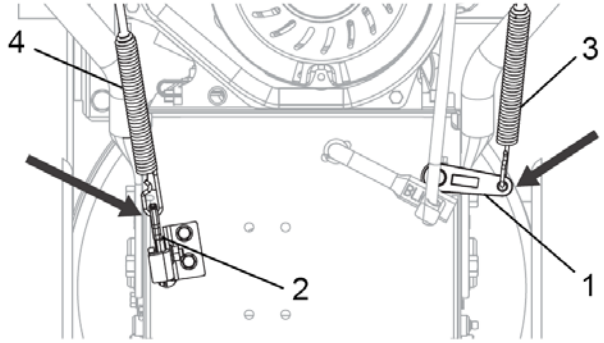
1. Upper Handlebar Assembly
2. Lower Handlebar
3. 5/16 in x 2-1/4 in. Round Head Square Neck Grade 5 Bolt
4. Handlebar Spacer
5. Flat Steel Washer
6. Locking Washer
7. 5/16 in Nyloc Nut

Step One: Assemble Handlebars (Attach Control Cables)

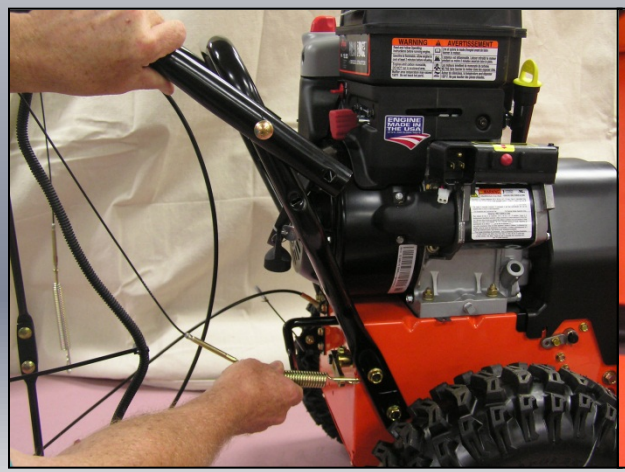
NOTE: This slide applies to UNATTACHED handlebars ONLY

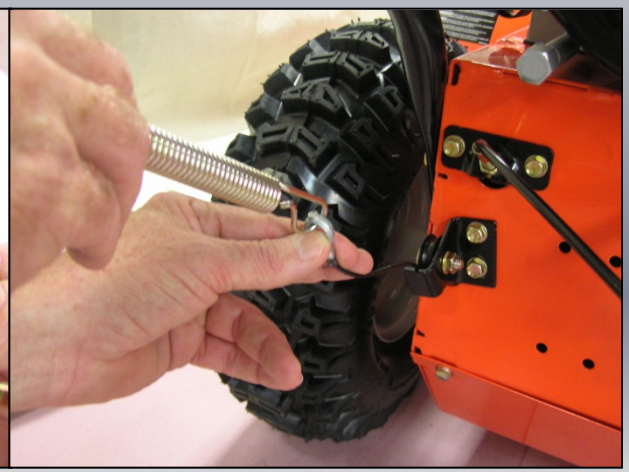
1. Hook Spring end of attachment control cable to the clutch arm.
2. Hook spring end of the traction control cable to the cable eyelet on back of frame.

NOTE: Make sure cable remains in groove of pulley.



1. Clutch Arm
2. Cable Eyelet
3. Attachment Control Cable
4. Traction Control Cable





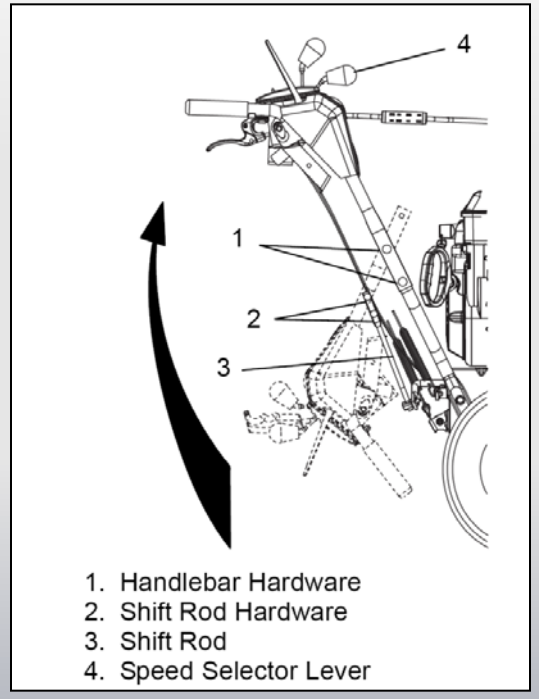
Step One: Assemble Handlebars (Unfold Upper Handlebar)

NOTE: This slide applies to UNATTACHED handlebars ONLY

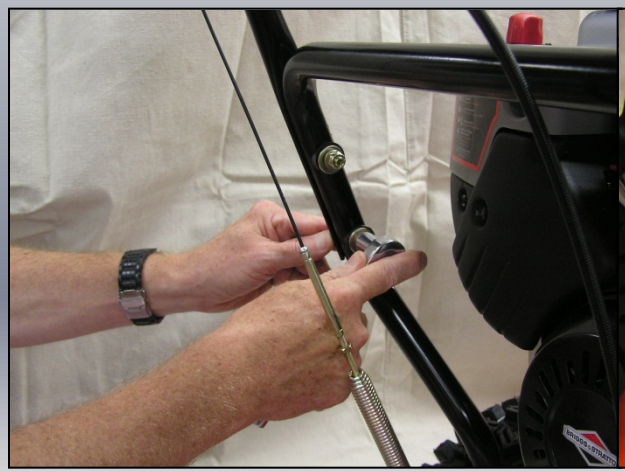
1. Rotate handlebar into operating position.

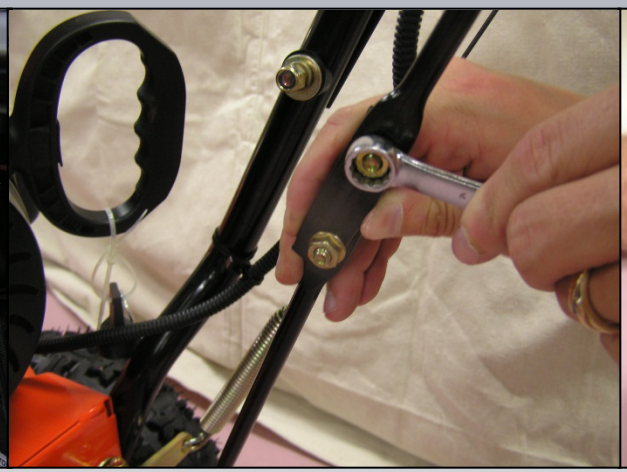
NOTE: Be careful not to damage cable spring hooks when rotating handlebar upward.

2. Install the remaining handlebar hardware attaching the upper handlebar assembly to the lower handlebar.
3. Tighten all hardware.
4. Remove packaging around shift rod.
5. Rotate shift rod into place and tighten hardware.
6. Connect shift rod to speed selector arm and adjust as specified. See *Selector Adjustment* in the Owners Manual.
7. Adjust attachment cable as specified. See *Attachment Clutch/Brake Adjustment* in the Owners Manual.
8. Adjust the traction cable as specified. See *Traction Drive Clutch Adjustment* in the Owners Manual.



1. Handlebar Hardware
2. Shift Rod Hardware
3. Shift Rod
4. Speed Selector Lever



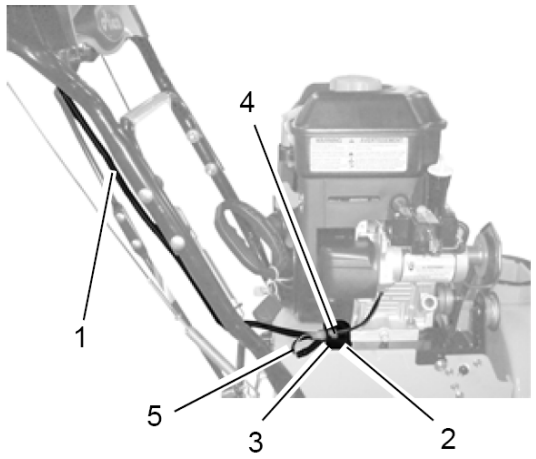


Step One:
(Connect Headlight Wire Harness)

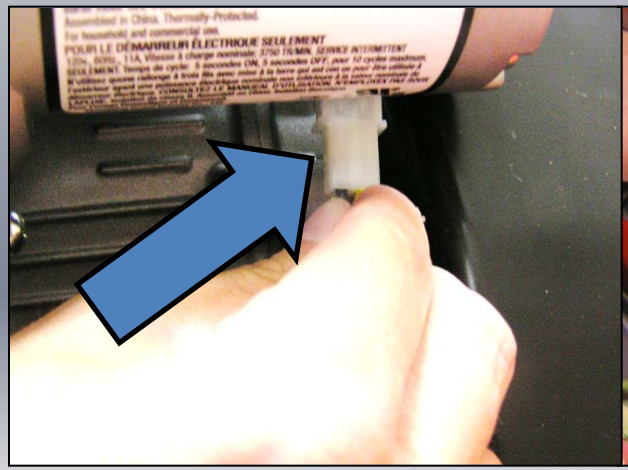
NOTE: This slide applies to UNATTACHED handlebars ONLY

NOTE: The headlight wire harness comes attached to the upper handlebar assembly.

1. Route the wire harness along the interior of the right side handlebar.
2. Connect to the engine electrical plug.
3. Press cable anchor into mounting hole in the frame near the engine electrical plug.
4. Secure the wire harness to the handlebars using the cable ties attached to the wire harness.
5. Gather excess wire harness length and fasten together with cable tie included in literature pack.



1. Wire Harness
2. Cable Tie
3. Cable Anchor
4. Engine Electrical Plug
5. Excess Wire Harness



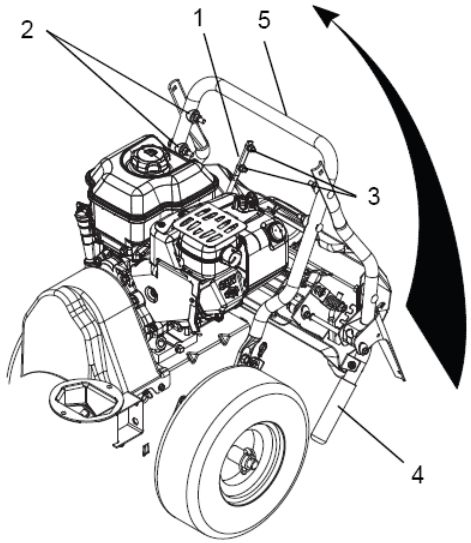
Step One:
Assemble Handlebar

NOTE: This slide applies to ATTACHED handlebars ONLY

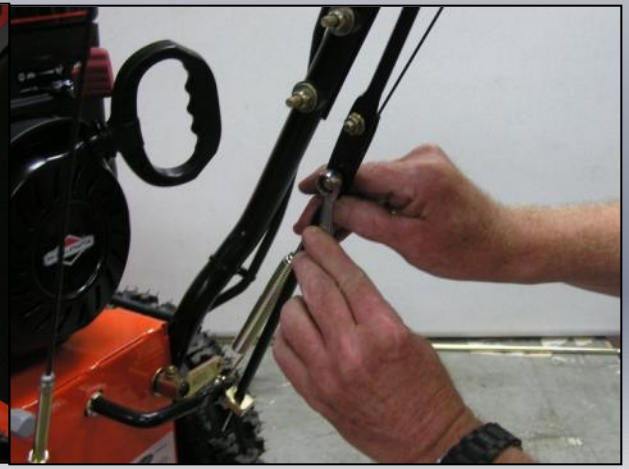
1. Remove the lower and loosen the upper hardware on the handlebar assembly.
2. Loosen the hardware on the shift rod.
3. Put the speed selector lever in the sixth forward position.
4. Rotate the handlebar into operating position.

NOTE: Be careful not to damage cable spring hooks when rotating handlebar upward.

5. Install and tighten the hardware on the handlebar assembly and shift rod.



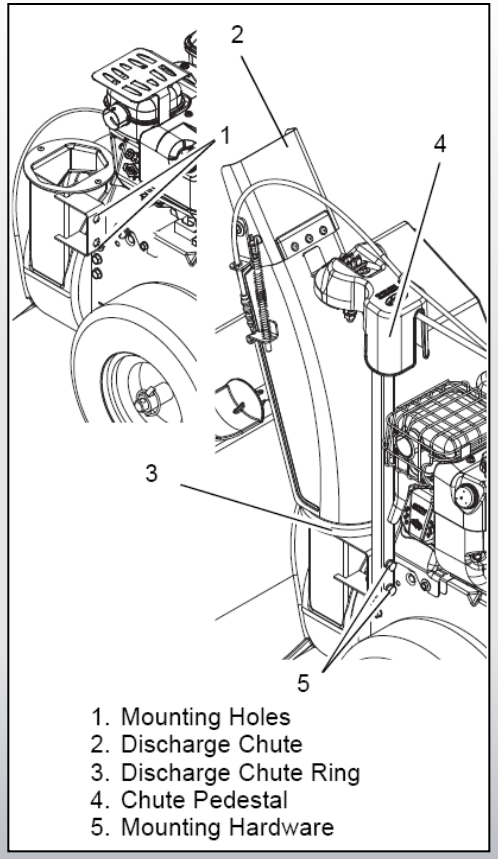
1. Shift Rod
2. Handlebar Hardware
3. Shift Rod Hardware
4. Upper Handlebar Assembly
5. Lower Handlebar



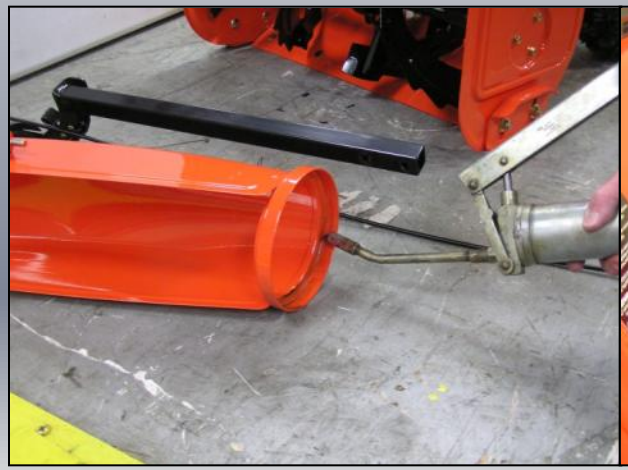
Step Two:
Install Discharge Chute

1. Grease underside of discharge chute ring (if not already greased).
2. Remove mounting hardware from auger housing
3. Install discharge chute over opening in the auger housing. Finger tighten the mounting hardware removed above.

NOTE: Leave discharge chute pedestal loose to help install the chute crank.



1. Mounting Holes
2. Discharge Chute
3. Discharge Chute Ring
4. Chute Pedestal
5. Mounting Hardware

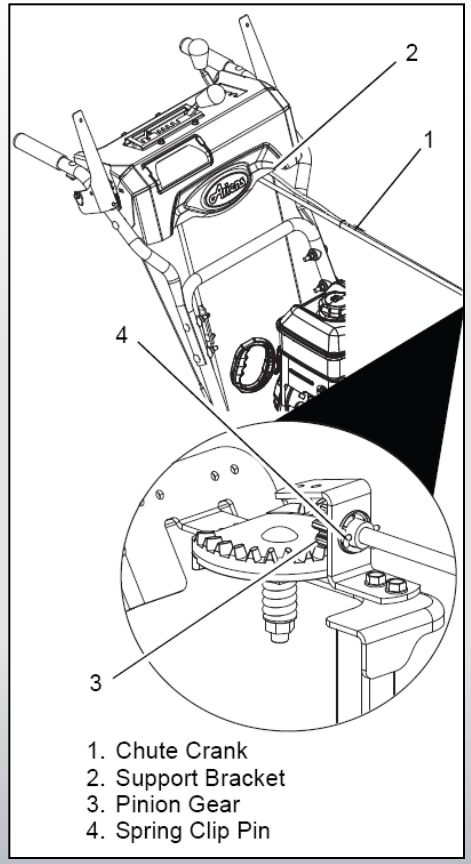


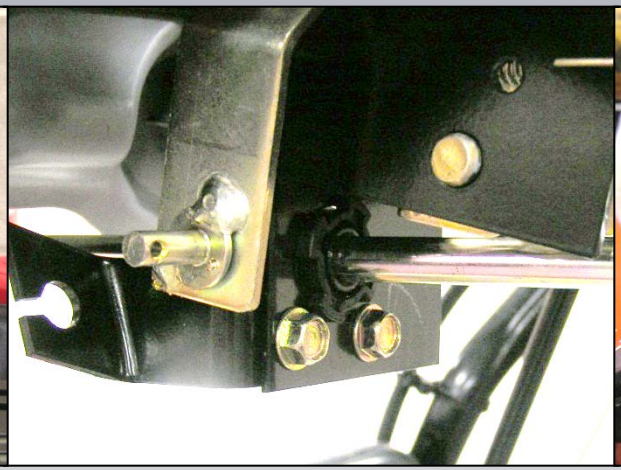
Step Three: Install Discharge Chute Crank

1. Remove gear cover from top of chute pedestal.
2. Slide Chute Crank through the nylon bushing in the support bracket under control panel.

NOTE: Be careful not to damage nylon bushing when attaching crank to the control panel.

3. Connect the chute crank to the pinion gear on discharge chute with spring clip pin.
4. Replace gear cover on top of chute pedestal.
5. Orient the chute and pedestal to its most vertical position and tighten pedestal hardware to 14.8-31.0 lbf-ft (20-42 N·m).

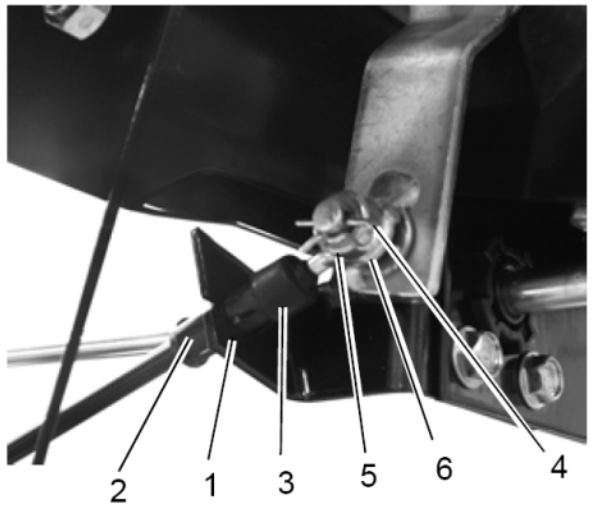




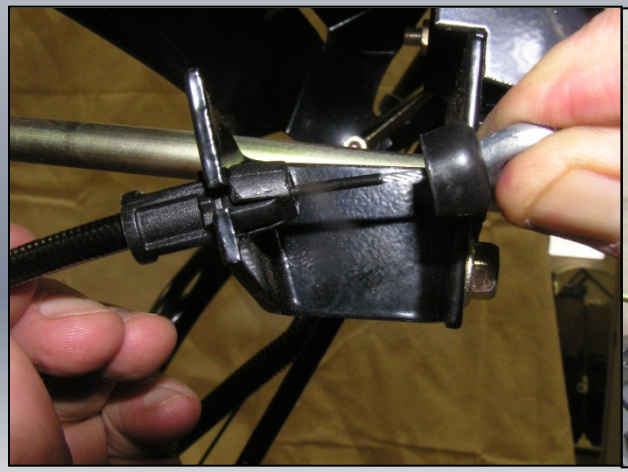
Step Four: Install Remote Deflector Cable

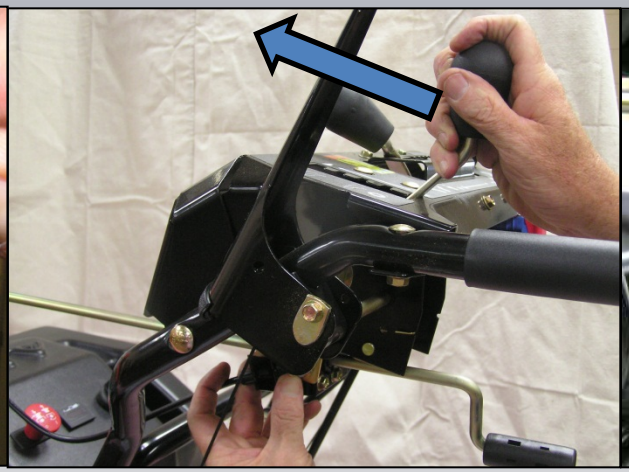
1. Pull rubber seal cap away from snap fitting.
2. Install snap fitting into cable bracket's mounting hole located under the dash.
3. Position rubber seal cap over the top of snap fitting.
4. Move deflector control lever to forward most position.
5. Attach cable eye to pin on bottom of deflector control lever.

NOTE: Hold down chute deflector cap, if needed, for more cable slack.



1. Mounting Hole
2. Snap Fitting
3. Rubber Seal Cap
4. Hairpin
5. Sleeve Bushing
6. Cable Eye

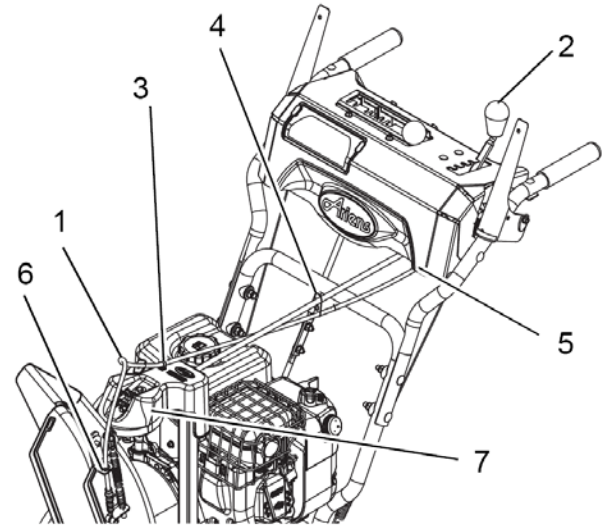




Step Four: Install Remote Deflector Cable Cont.

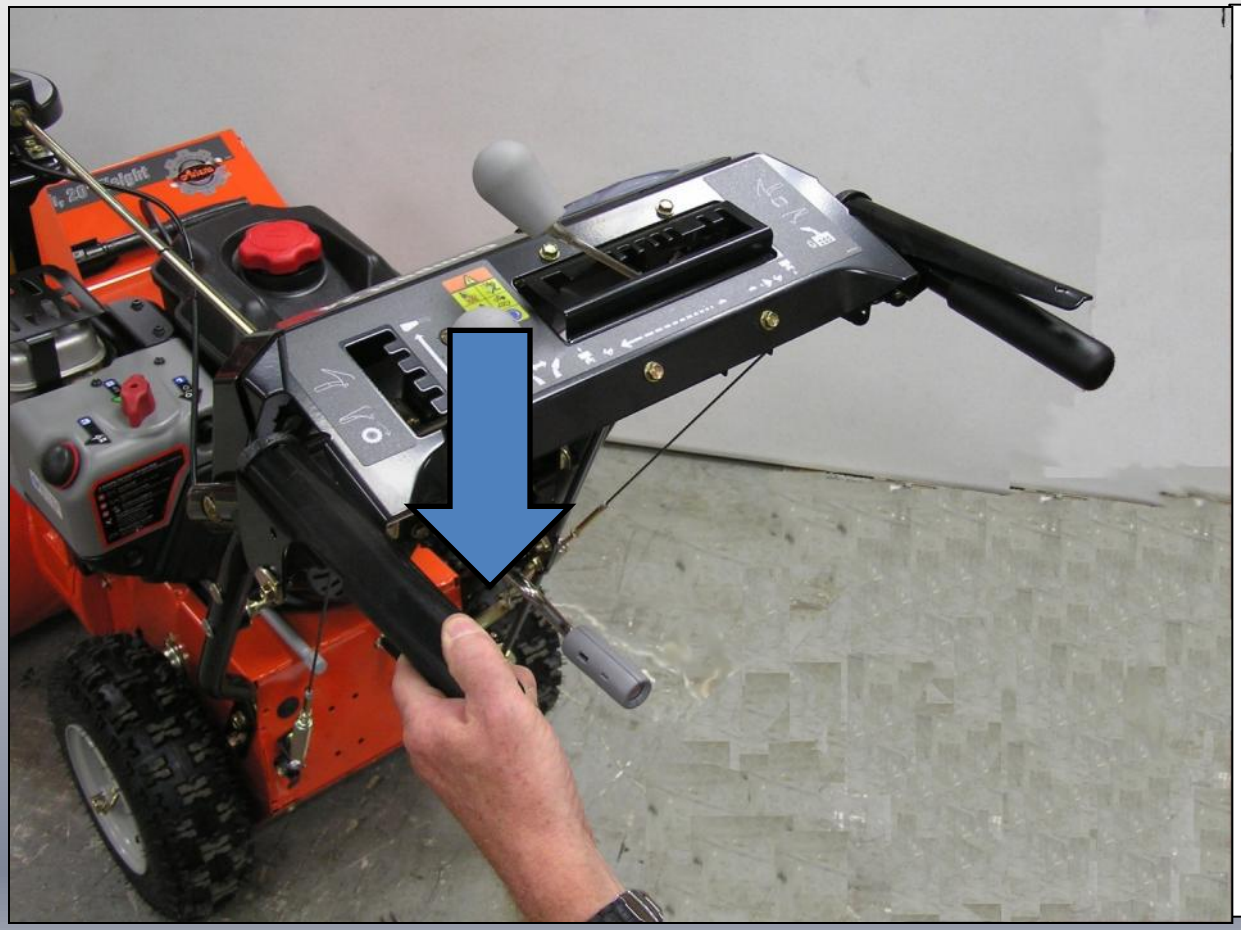
6. Secure cable eye to control lever with sleeve bushing and hairpin.
7. Using the wire hook attached to the deflector cable, hook cable to discharge chute crank.
8. Install cable into clip on top of discharge chute pedestal.
9. Make sure deflector cable loops above gear cover between cable clip and cable support bracket.
10. Test controls to be sure deflector works properly.

NOTE: If deflector does not follow full range of travel See *Remote Discharge Deflector Control Adjustment* in Owners Manual.



1. Remote Deflector Cable
2. Remote Deflector Control
3. Cable Clip
4. Wire Cable Hook
5. Cable Mounting Bracket
6. Cable Support Bracket
7. Gear Cover

Step Five:
Check Function of Dual Handle Interlock

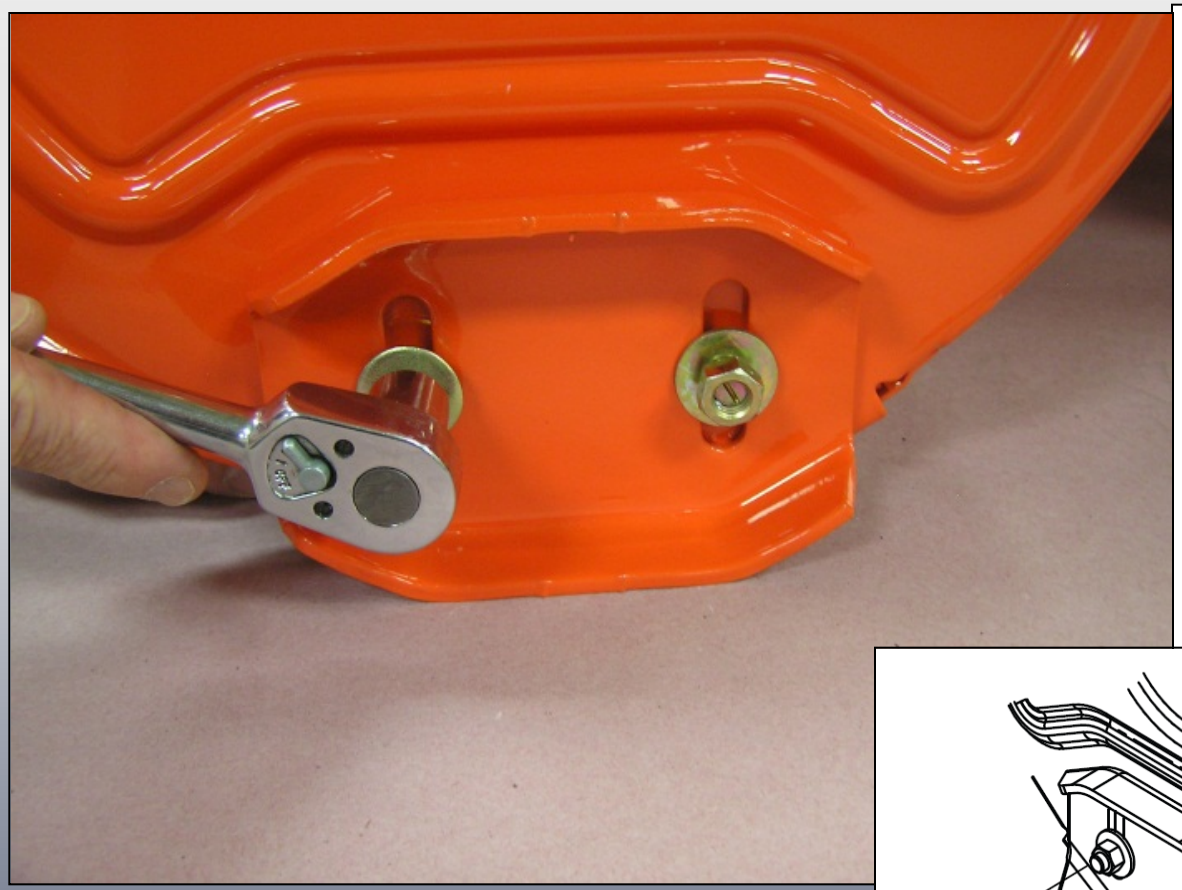


Without the engine running, press down (engage) both clutch levers. Release attachment clutch lever. Attachment clutch should remain engaged until traction clutch lever is released, then both clutches *must* disengage. If they do not, contact your dealer for repairs.

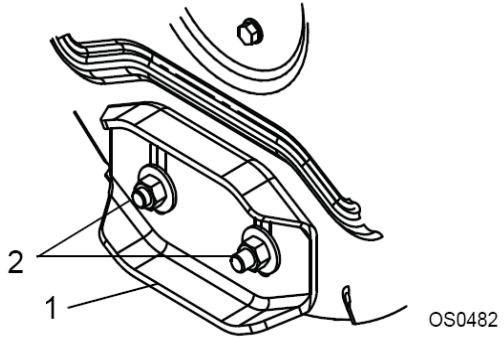
Step Six:
Check Tire Pressure

Check tire pressure and adjust to the pressure listed on tire sidewall.

Step Seven:
Adjust Skid Shoes

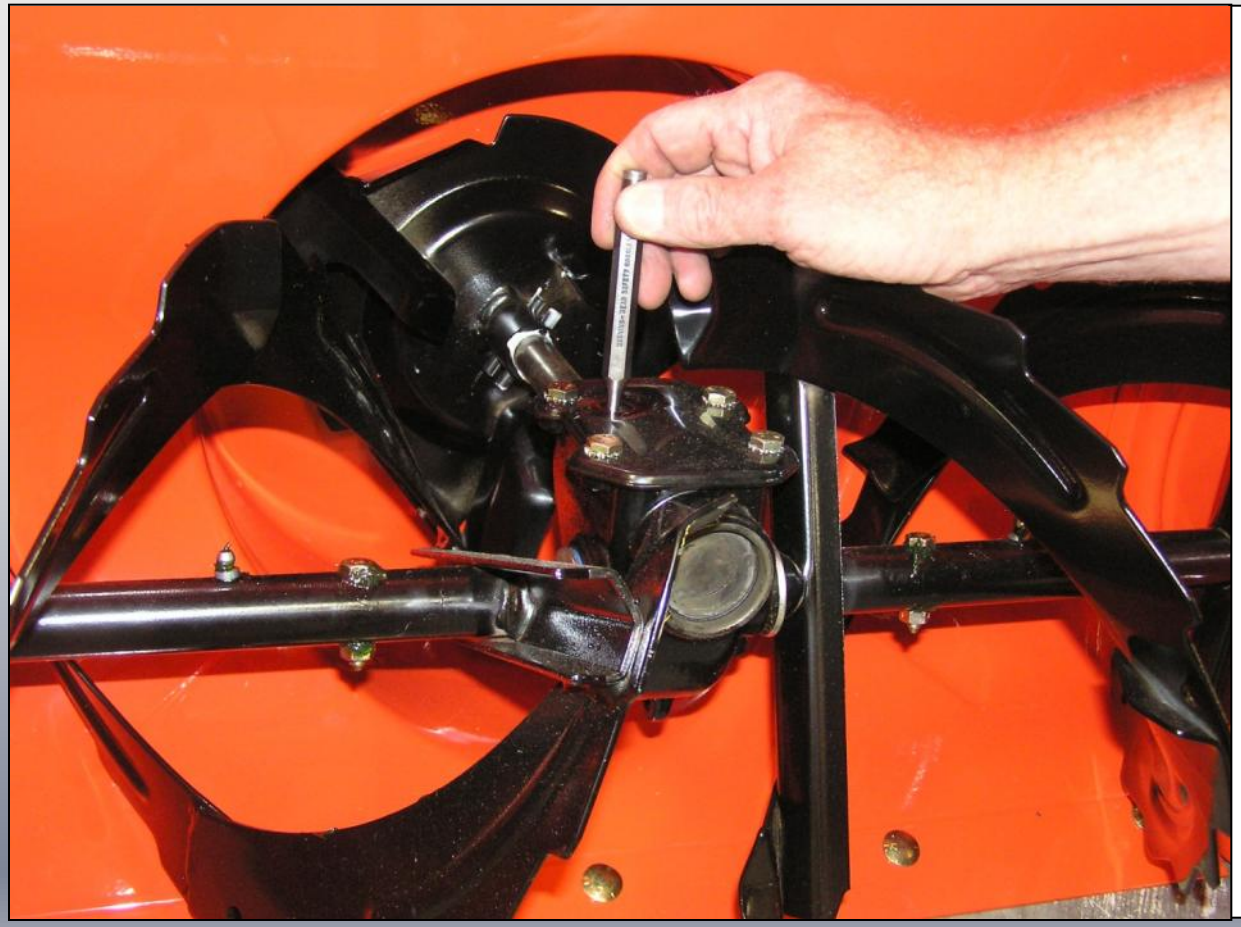


IMPORTANT: Skid shoes should be adjusted as conditions require. Allow 1/8 in. (3mm) between scraper blade and hard smooth surfaces. Allow 7/8 in (22 mm) between scraper blade and uneven or gravel surfaces. (See *Skid Shoes* in Owners Manual).



1. Skid Shoe
2. Skid Shoe Hardware

Step Eight:
Check Auger Gearcase Oil



Check oil level in auger gearcase
(see *Check Auger Gearcase* in Owners Manual).

Step Nine:
Check Engine Crankcase Oil

VERTISSEMENT
suivre le mode d'emploi avant de faire
le moteur.
nce est inflammable. Laisser refroidir le moteur
nt au moins 2 minutes avant de faire le plein.
teurs émettent du monoxyde de carbone.
moteur dans des espaces clos.

IMPORTANT: The engine is shipped with oil in crankcase. Refer to Engine Manual for detailed instructions.

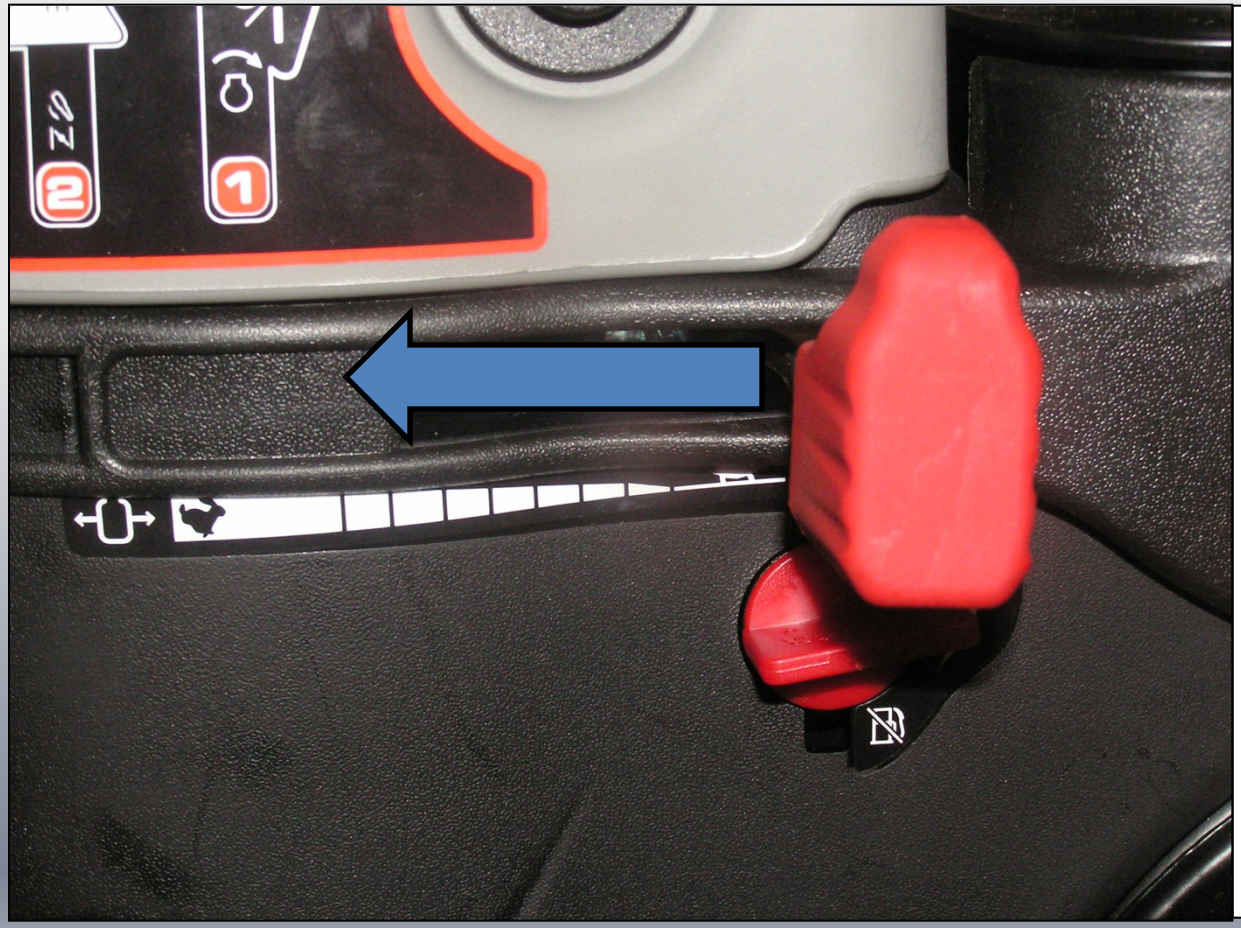
Step Ten:
Fill Engine Fuel Tank

Fill fuel tank. DO NOT OVERFILL! See *FILLING FUEL TANK* in Owners Manual.

Remove the plug from the fuel tank and install the fuel cap located in the attached bag.

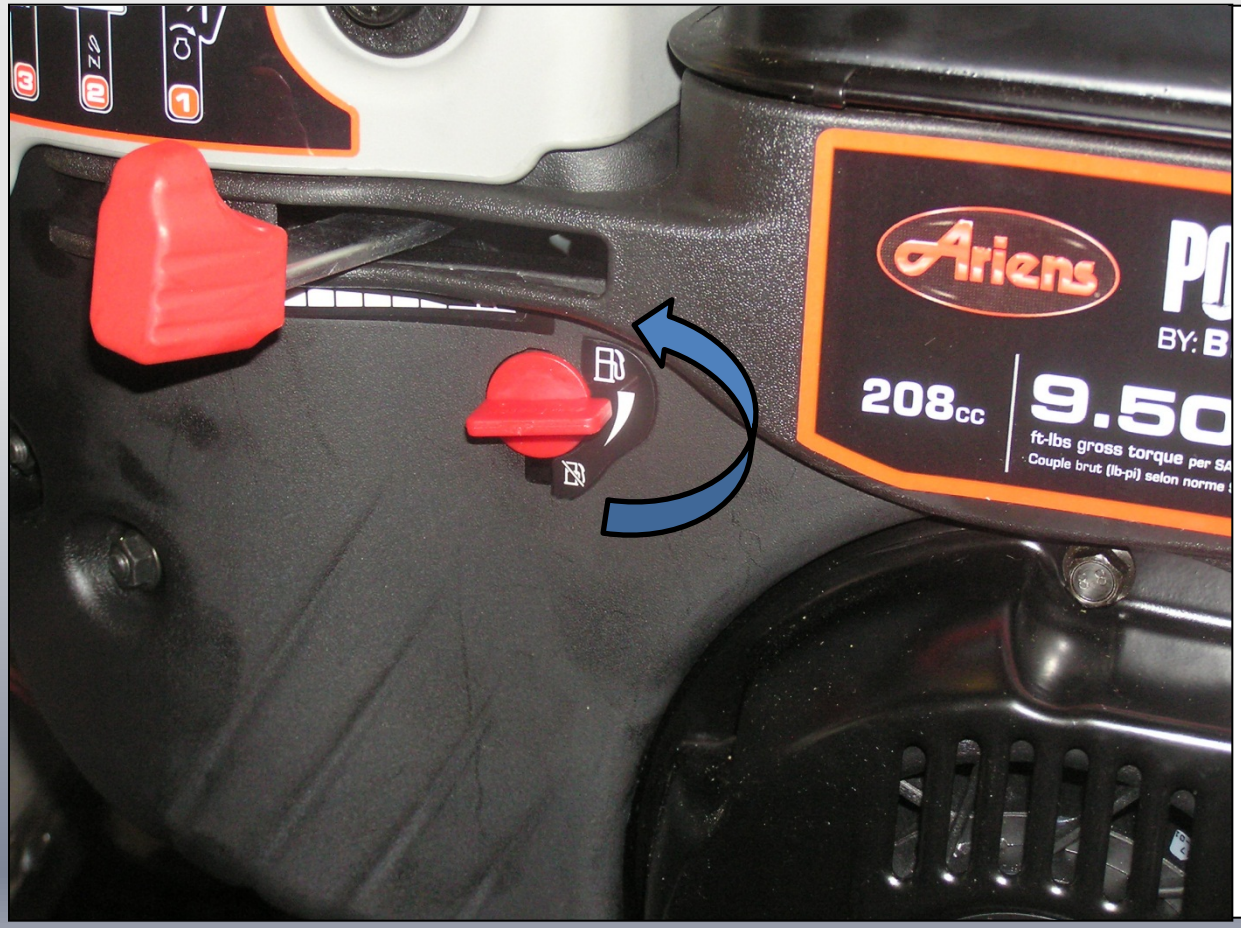
Step Eleven: Starting the Engine

Starting Engine / Step A: Throttle



Move the throttle control lever to the fast position.
Operate the engine with the throttle control lever in the fast position.

Starting Engine / Step B: Fuel Valve

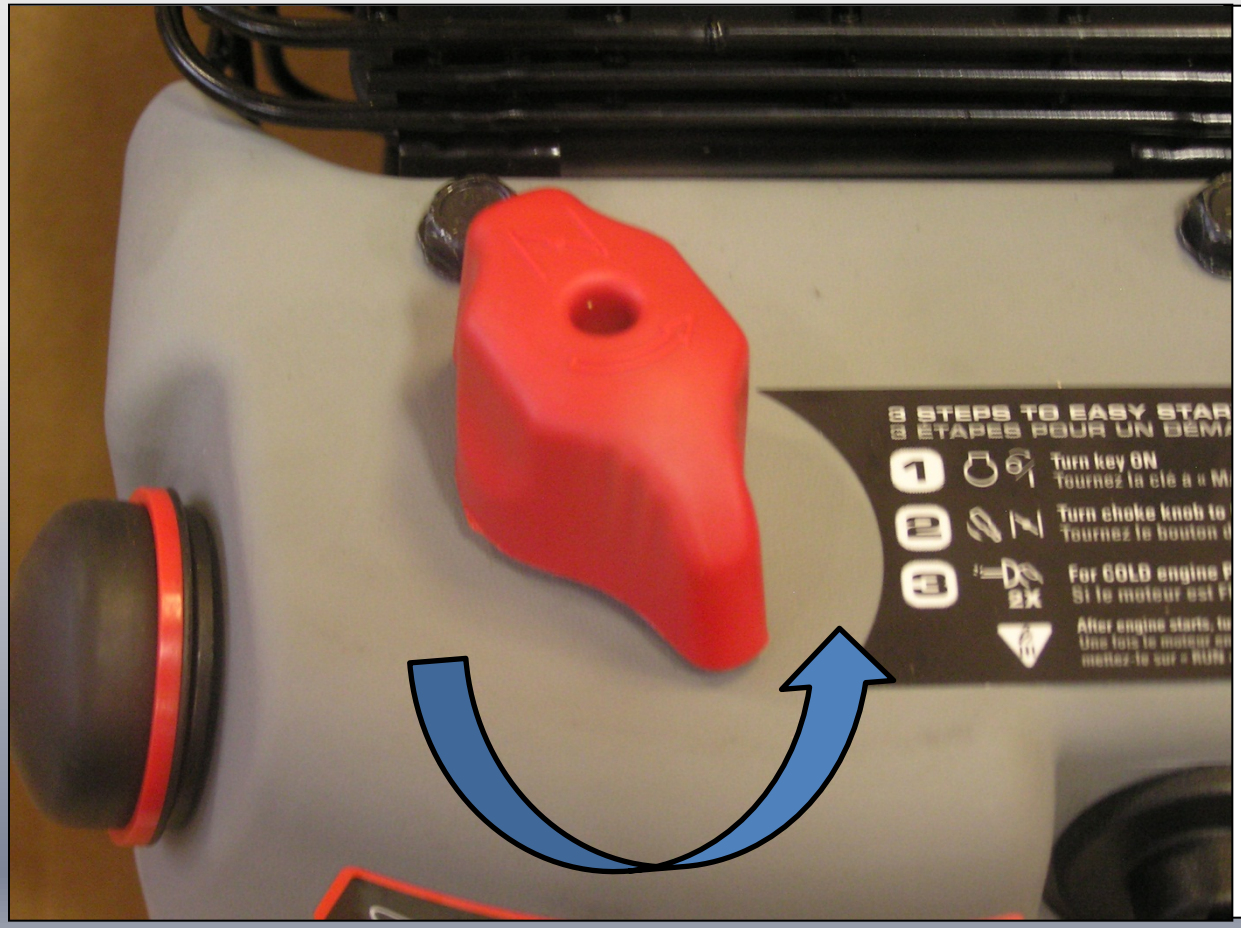


Turn the fuel shut-off valve to the “ON” position.

Starting Engine / Step C:
Key

Insert the key and turn to the on/start position.

Starting Engine / Step D: Choke



Turn the choke control knob to the choke position.

NOTE: Choke is usually unnecessary when restarting a warm engine.

Starting Engine / Step E: Prime

Push the primer two times. Be sure to cover the vent hole on the primer bulb.

NOTE: Priming is usually unnecessary when restarting a warm engine.

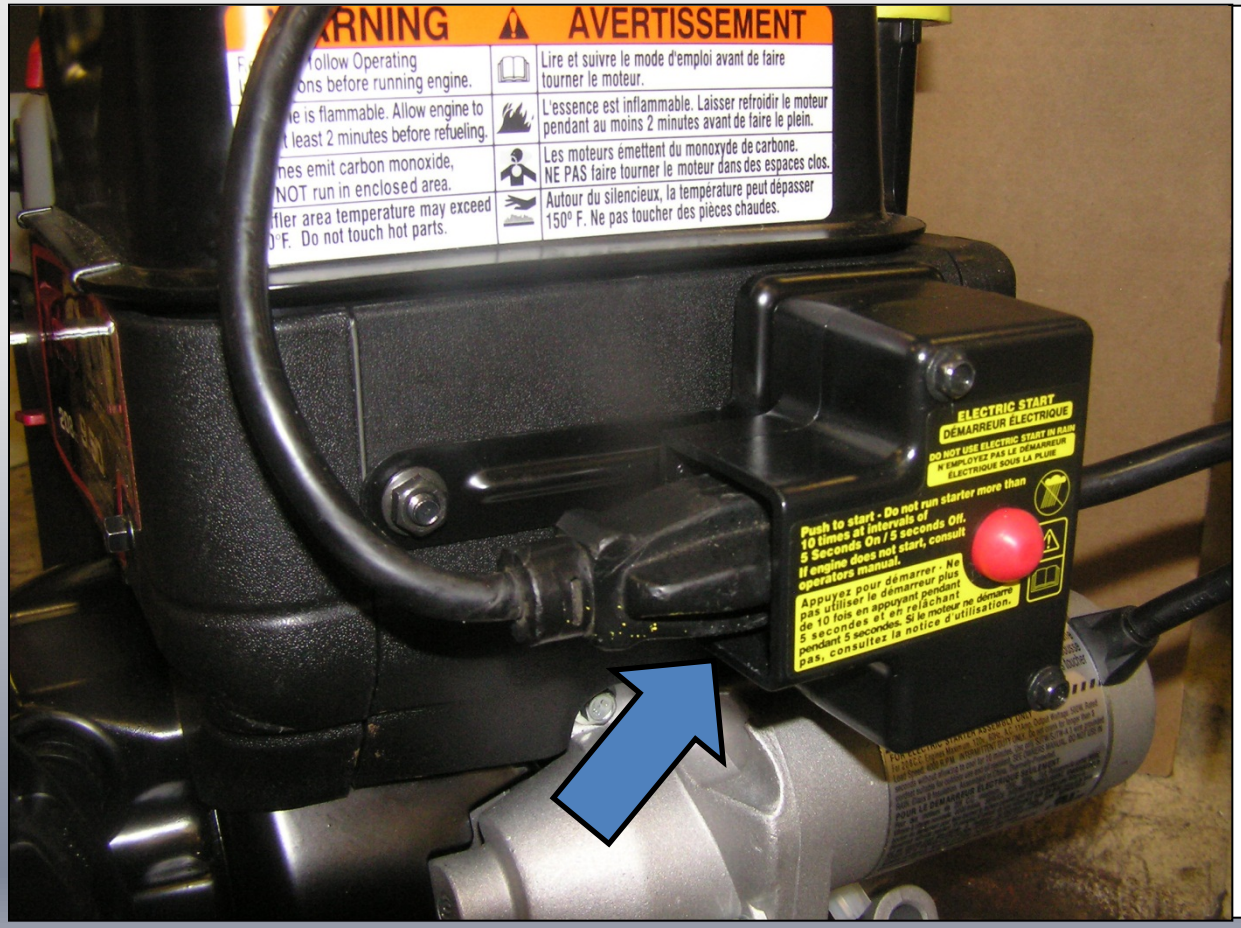
Starting Engine / Step F: (Manual Start)

Firmly hold the starter cord handle. Pull the starter cord handle slowly until resistance is felt, then pull rapidly.

NOTE: If the engine does not start after repeated attempts, go to

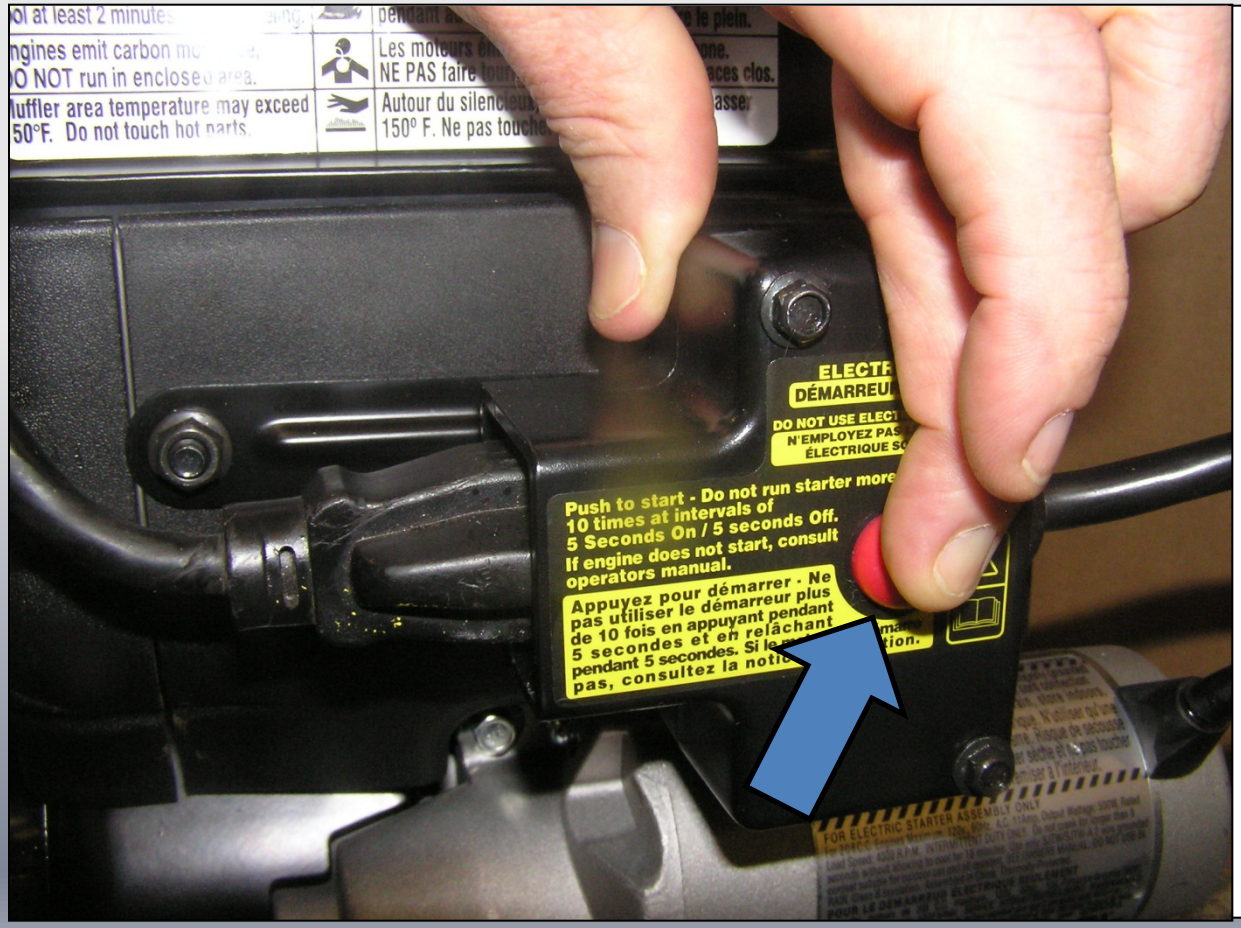
BRIGGSandSTRATTON.COM or **call 1-800-233-3723.**

Starting Engine / Step F: (Electric Start)


AVERTISSEMENT
Lire et suivre le mode d'emploi avant de faire tourner le moteur.
L'essence est inflammable. Laisser refroidir le moteur pendant au moins 2 minutes avant de faire le plein.
Les moteurs émettent du monoxyde de carbone. NE PAS faire tourner le moteur dans des espaces clos.
Autour du silencieux, la température peut dépasser 150° F. Ne pas toucher des pièces chaudes.
ELECTRIC START
DÉMARREUR ÉLECTRIQUE
DO NOT USE ELECTRIC START IN RAIN
N'EMPLOYEZ PAS LE DÉMARREUR ÉLECTRIQUE SOUS LA PLUIE
Push to start - Do not run starter more than 10 times at intervals of 5 Seconds On / 5 seconds Off. If engine does not start, consult operators manual.
Appuyez pour démarrer - Ne pas utiliser le démarreur plus de 10 fois en appuyant pendant 5 secondes et en relâchant pendant 5 secondes. Si le moteur ne démarre pas, consultez la notice d'utilisation.

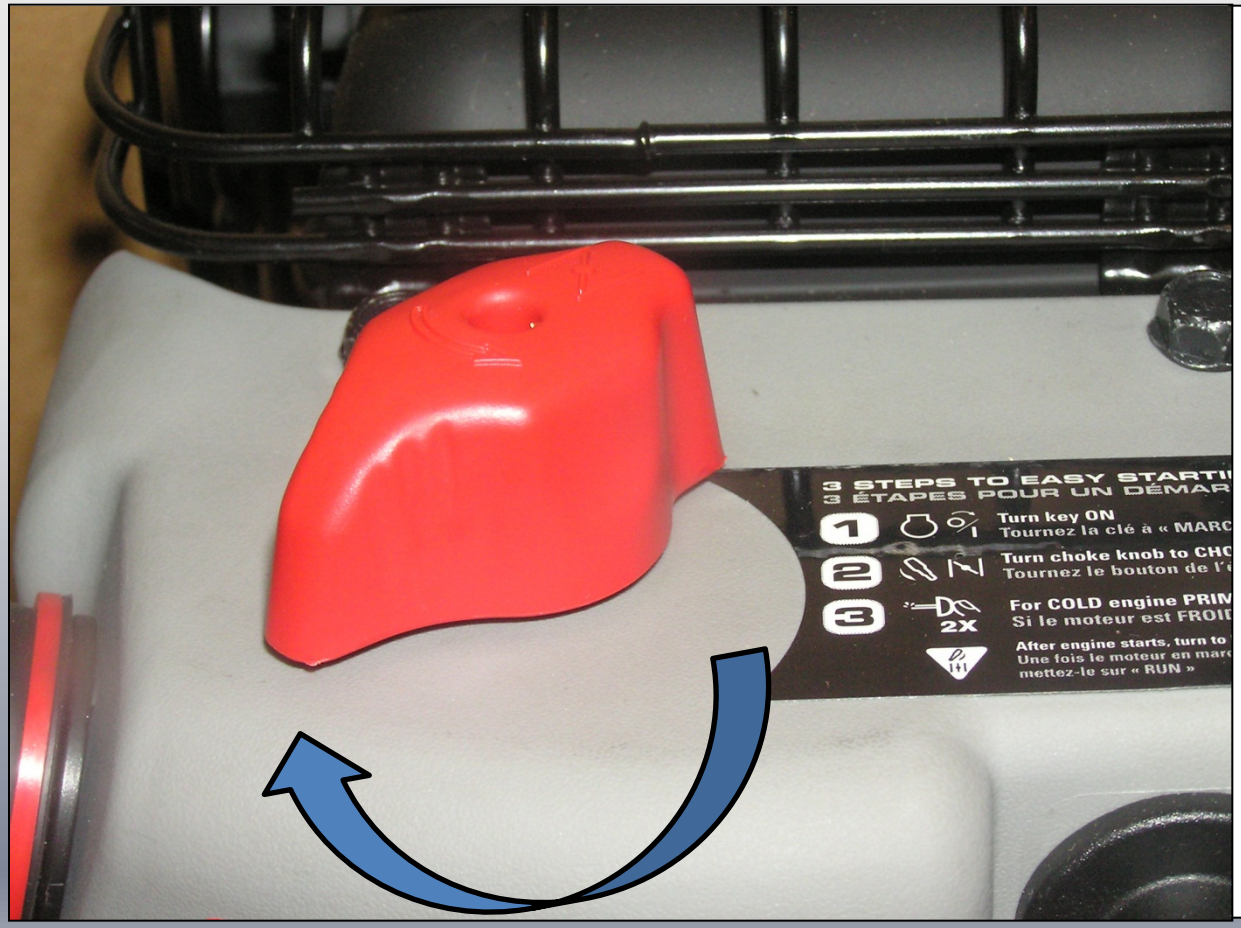
First connect the extension cord to the power cord receptacle and then into a wall receptacle. If an additional extension cord is required, make sure it is a 3-wire grounded extension cord.

Starting Engine / Step G: (Electric Start)


Push to start - Do not run starter more
10 times at intervals of
5 Seconds On / 5 seconds Off.
If engine does not start, consult
operators manual.
Appuyez pour démarrer - Ne
pas utiliser le démarreur plus
de 10 fois en appuyant pendant
5 secondes et en relâchant
pendant 5 secondes. Si le
pas, consultez la notic
DÉMARREU
DO NOT USE ELECT
N'EMPLOYEZ PAS
ÉLECTRIQUE SO
NE PAS faire
150° F. Ne pas touch
50°F. Do not touch hot parts.
NOT run in enclose
ngines emit carbon

Depress the push button. After you start the engine, first disconnect the extension cord from the wall receptacle and then from the power cord receptacle.

Starting Engine / Step H: Warm up



Allow the engine to warm up for several minutes. Then, slowly move the choke control knob to the run position.

Step Twelve: Stopping the Engine

Turn the key to the off position or move throttle control lever to slow and then to the stop position (completely left). Remove the key. Keep away from reach of children. After engine stops, turn the fuel shut-off valve to the closed (vertical) position.

Additional Resources

- Refer to Owners Manual and Engine Manual
- Contact Ariens Company

  www.ariens.com

  Phone: 920-756-4688

  E-mail: info@ariens.com
- For issues concerning engine, please contact Briggs and Stratton

  www.BRIGGSandSTRATTON.com

  Phone: 800-233-3723

© 2012 The Ariens Company. All rights reserved.